

Converting Colors

CIELCh(90, 14.119, 99.504)

Have a look what the booklet for
CIELCh(90, 14.119, 99.504) contains.

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Color

CIELCh(90, 14.127, 99.863)

Conversions

Conversions Part 1

Format	Color
Hex	E9E3C8
RGB	233, 227, 200
RGB Percent	91%, 89%, 78%
CMY	0.0869, 0.1104, 0.2163
CMYK	0.00, 0.03, 0.14, 0.09
HSL	49°, 43%, 85%
HSV	49°, 14%, 91%
XYZ	71.3778, 76.3034, 65.5088
YIQ	225.7160, 12.2430, -7.1250

Conversions

Conversions Part 2

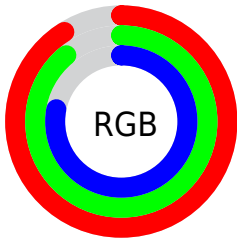
Format	Color
R_{YB}	207, 233, 200
Decimal	15328200
CIE _{Lab}	90.00, -2.42, 13.92
CIE _{LCh}	90, 14.127, 99.863
Yxy	76.3034, 0.3348, 0.3579
Android (android.graphics.Color)	4293518280 (0xFFE9E3C8)
YUV	225.7160, -12.6780, 6.3881
Hunter-Lab	87.3518, -7.0078, 16.6822

Details

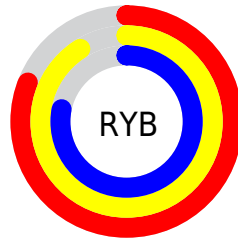
The CIELCh color **90, 14.127, 99.863** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **83, 14.383, 283.237**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 14.279, 100.708** is the 20% darker color. If you saturate the color by 10%, you get **88, 24.158, 98.708**, and if you desaturate by 10%, it is **92, 4.137, 100.980**.

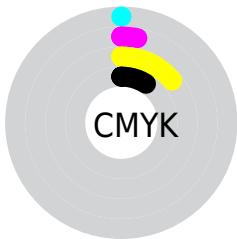
Distribution



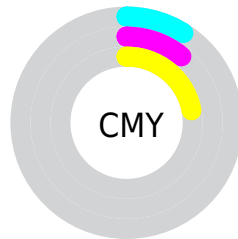
- Red (91%)
- Green (89%)
- Blue (78%)



- Red (81%)
- Yellow (91%)
- Blue (78%)



- Cyan (0%)
- Magenta (3%)
- Yellow (14%)
- Black (9%)



- Cyan (9%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 14.127, 99.863 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 90, 14.127, 99.863 by changing the saturation by 10% instead.

90, 14.127, 99.863

90, 14.127, 99.863

100, 14.127,
99.863

80, 14.127, 99.863

70, 14.127, 99.863

60, 14.127, 99.863

50, 14.127, 99.863

40, 14.127, 99.863

30, 14.127, 99.863

20, 14.127, 99.863

10, 14.127, 99.863

0, 14.127, 99.863

90, 14.127, 99.863

90, 14.127, 99.863

88, 24.158, 98.708

92, 4.137, 100.980

87, 34.163, 97.516

93, 5.784, 282.146

86, 44.033, 96.308

95, 8.240, 274.701

84, 53.577, 95.090

96, 6.809, 257.399

83, 62.472, 93.869

97, 6.241, 234.402

82, 70.211, 92.639

98, 6.748, 211.280

80, 76.095, 91.380

98, 7.578, 199.013

79, 79.425, 90.043

79, 80.355, 89.220

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90, 14.127, 99.863



83, 14.383, 283.237

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 14.127, 99.863



90, 14.127, 149.863



90, 14.127, 279.863



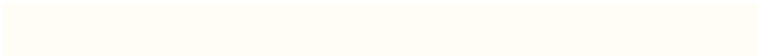
90, 14.127, 329.863

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



90, 14.129, 99.872



99, 4.271, 100.995



83, 12.658, 5.858



53, 3.037, 100.917



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 14.129, 99.872



97, 18.263, 99.536



91, 17.461, 121.635



48, 5.688, 100.404



63, 66.656, 89.470



18, 26.107, 91.866

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



83, 14.383, 283.237



88, 18.657, 283.644



82, 17.935, 303.272



46, 5.762, 282.621



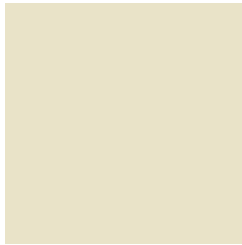
25, 92.138, 302.977



4, 31.264, 294.051

Previews

White Background



This preview shows how the CIELCh color 90, 14.127, 99.863 looks on a white background.

Color Contrast Check

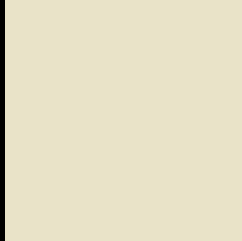
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 14.127, 99.863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

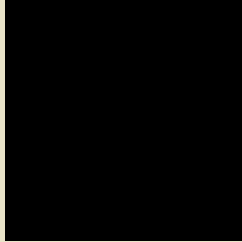
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

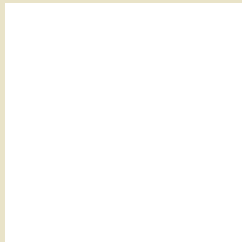
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 14.127, 99.863

Background



This preview shows how black text looks on a background with the CIELCh color 90, 14.127, 99.863.



This preview shows how white text looks on a background with the CIELCh color 90, 14.127, 99.863.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

90, 14.127, 99.863

Protanopia

90, 14.556, 92.483

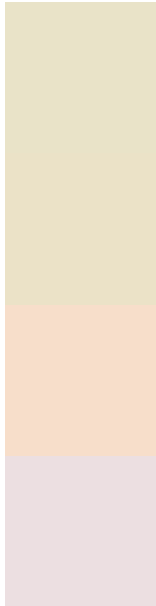
Deuteranopia

90, 15.737, 49.591



Tritanopia
90, 11.175, 323.310

Trichromacy



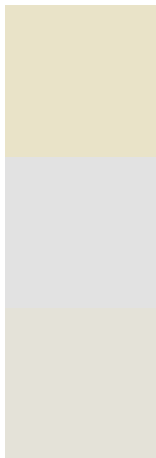
Original Color
90, 14.127, 99.863

Protanomaly
90, 14.360, 95.385

Deuteranomaly
90, 14.044, 67.065

Tritanomaly
90, 4.813, 7.196

Monochromacy



Original Color
90, 14.127, 99.863

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 5.220, 101.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 14.127, 99.863 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(233, 227, 200)` looks like.

```
.text, #text, p{  
    color:rgb(233, 227, 200)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(233, 227, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 227, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 14.127, 99.863 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 227, 200) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(233, 227, 200) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(233, 227, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 227, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 227, 200);  
box-shadow:4px 4px 4px 4px rgb(233, 227,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 14.127, 99.863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 227, 200) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(233,  
227, 200) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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